

## Take Test: Quiz 3.2

## **Test Information**

Description

Instructions

Multiple Attempts This test allows multiple attempts.

Force Completion This test can be saved and resumed later.

## **QUESTION 1**

1 points

Saved

True or false?

A state-space model can be described by four matrices: A, B, C, D.

- True
- False

## **QUESTION 2**

1 points

Saved

Which of the following correctly describes the state matrix?

- $\bigcirc$  A  $n \times 1$  matrix that captures the effect of actuation on the state x(t).
- $_{\odot}$  A  $\Pi \times \Pi$  matrix that propogates state-based changes in the state  $\times(t)$ .
- $_{\odot}$  A  $1 \times n$  matrix that captures the effect of sensed quantities.

